What Is Claimed Is:

1. A diversity receiver comprising:

a plurality of antennas for diversity receiving wireless signals subjected to direct spread modulation;

an antenna switch for selecting any one of said plurality of antennas and conducting connection switching thereof;

a demodulator for demodulating the wireless signals received via the antenna connected by said antenna switch and obtaining a spread spectrum signal;

correlation value detection means for finding a correlation value of said spread spectrum signal and a spread code for demodulation;

a mean value computation unit for finding a mean SNR of the received signal by converting the maximum correlation value which is output by said correlation value detection means to a value per 1 frame;

storage means for storing said mean SNR;

an estimation unit for linear evaluation of the SNR of the received signal based on the time series data of the mean SNR stored in said storage means; and

a level comparator for comparing the SNR of the received signal that was predicted by said estimation unit with a threshold value and outputting a control signal for conducting antenna switching to said antenna switch.

2. The diversity receiver according to claim 1, wherein

said estimation unit estimates the SNR of the received signal by secondary interpolation conducted by curvilinear regression when the number of time series data of the mean SNR stored in said storage means is 3 or more.

3. The diversity receiver according to claim 1 or 2, wherein

said estimation unit estimates the SNR of the received signal by primary interpolation conducted by linear regression when the number of time series data of the mean SNR stored in said storage means is 2.

4. The diversity receiver according to any one claim from claims 1 or 3, wherein

said level comparator compares the mean SNR stored in said storage means with a threshold value when the time series data number of the mean SNR stored in said storage means is 1 and outputs a control signal for conducting antenna switching to said antenna switch.

5. The diversity receiver according to claim 4, wherein

said estimation unit clears the time series data of said mean SNR stored in said storage means to zero each time the antenna is switched.